

WHAT IS CLAIMED IS:

1. A computer system comprising:
at least two installed bootable devices and
respective host bridges; and
5 a computer readable medium storing identification
data for each of the installed bootable devices; and
the identification data including host bridge
identification data.
- 10 2. The computer system of Claim 1 wherein the
installed bootable devices comprise PCI devices.
3. The computer system of Claim 1 wherein the
identification data further comprises a function number
15 and a device number for each of the installed bootable
devices.
4. The computer system of Claim 1 wherein the
identification data further comprises a vendor
20 identification and a device identification obtained from
each of the installed bootable devices.

5. The computer system of Claim 1 further comprising:

a BIOS stored in the computer readable medium; and
the BIOS operable to access the identification data
5 for each of the installed bootable devices and to display
a list of the installed bootable devices in the computer
system; and

the list including identification of a slot to which
each of the installed bootable devices is coupled such
10 that each of the installed bootable devices is uniquely
identified.

6. The computer system of Claim 5 wherein the BIOS
further comprises:

15 a setup routine;
the setup routine operable to display the installed
bootable devices in a boot order; and
the setup routine further operable to modify the
boot order.

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7. The computer system of Claim 1 wherein the
identification data further comprises a device number
associated with a slot to which the bootable device is
coupled.

8. A method for identifying bootable devices in a computer system, the method comprising:

- determining a bus number for each bootable device;
- determining a host bridge number associated with
- 5 each bus number of the computer system;
- reading identification data stored on each bootable device in the computer system; and
- creating an identifier for each bootable device from
- at least the host bridge number and the identification
- 10 data read from each bootable device.

9. The method of Claim 8 wherein the identification data includes a vendor identification and a device identification.

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10. The method of Claim 8 further comprising:
determining a function number and a device number
for each bootable device; and

incorporating the function number and the device
20 number of each bootable device into the identifier.

11. The method of Claim 8 wherein identifying at least two identical bootable devices comprises:

reading vendor identification and device identification from identification data stored on each
5 identical bootable device;

determining a PCI function number and a PCI device number for each identical bootable device; and

creating an identifier for each identical bootable device from the vendor identification, device
10 identification, PCI function number, PCI device number and host bridge number such that each identical bootable device may be uniquely identified.

12. The method of Claim 8 further comprising
15 displaying the identifier for one or more of the bootable devices in a setup routine.

13. The method of Claim 8 further comprising
20 displaying the identifier for one or more of the bootable devices in a boot order.

14. The method of Claim 8 further comprising:
creating a slot list including a bus number, device
number and function number associated with each slot of
the computer system;

5 comparing a bus number, device number and function
number associated with each bootable device to respective
values in the slot list;

10 determining the device number of the slot to which
each bootable device having a bus number, device number
and function number which does not match respective
values associated with each slot in the slot list is
coupled; and

15 including the device number of the slot in the
identifier for the bootable device.

15. A method for uniquely identifying bootable devices coupled to one or more slots in a computer system, the method comprising:

comparing a bus number, device number and function number associated with each of the bootable devices to a bus number, device number and function number associated with each of the slots;

determining a host bridge number associated with each bootable device having a bus number, device number and function number matching the bus number, device number and function number of a slot; and

creating an identifier for each bootable device based on at least the host bridge number and identification data maintained by the bootable device.

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16. The method of Claim 15 further comprising creating a slot list including the bus number, device number and function number of each slot in the computer system.

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17. The method of Claim 15 further comprising reading the identification data from a memory maintained by the bootable device.

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18. The method of Claim 15 further comprising storing the identifier for each bootable device in a memory of the computer system.

19. The method of Claim 15 further comprising:
determining the device number of the slot to which
each bootable device having a bus number, device number
and function number that is different from the bus
5 number, device number and function number associated with
each slot is coupled; and
including the device number of the slot in the
identifier for each bootable device.

10 20. The method of Claim 15 further comprising
displaying at least a portion of the identifier in a
setup routine.

15 21. The method of Claim 15 further comprising the
identification data including a vendor identification and
a device identification.